LM Flow Series

High-Flow Therapy System with Integrated Humidifier

LM Flow Series – New Options in High-Flow Therapy.

The LM Flow Series stands out from the rest with its simple operation, integrated oxygen monitoring which uses no consumables, and adjustable alarms. The ventilators provide a constant flow of air which is conditioned by the integrated humidifier. The treated gas can be delivered via a nasal high-flow cannula directly into the tracheostomy with the help of a tracheostomy adapter.

Quite often the early use of High-Flow Therapy (HFT) avoids the need for complex intubation and leads to a clearly better and less invasive therapy outcome. The physiological conditioning of the respiratory gas contributes greatly to therapy success. The warm saturated breathing gas, increases mucociliary clearance and helps to improve compliance.

The **LM Flow 100** works with an air-mix technology that allows the user to set the desired oxygen concentration via the display. The device delivers a constant flow rate from 2 to 80 liters/minute that reduces the work of breathing by flooding the nasopharyngeal dead space and thus increases the patient‘s breathing efficiency in the acute phase. After the patient is released from the hospital, therapy can be continued with **LM Flow**, which was specially developed for long-term ventilator use at home. This device also provides a constant flow rate of 2 to 80 liters/minute.

Your Benefits in High-Flow Therapy:

- Flushing of nasopharyngeal dead space
- Reduction in respiratory effort
- Humidification and warming of airways, which improves mucociliary clearance
- Improvement in oxygenation

LÖWENSTEIN medical

Device Name	Article Number
LM Flow	302010004
LM Flow 100	302010003

Accessories

Trolley for LM Flow Series	402300020
Heated breathing tube system with water chamber (disposable)	303030017
Heated breathing tube system without water chamber (disposable)	313030017
Water chamber Homecare (reusable)	303040002
Water chamber accessory Elbow	501010141

Nasal cannula for adults (3 sizes)	
Size S	lmhfc2003
Size M	lmhfc2002
Size L	lmhfc2001
Nasal cannula for children (3 sizes)	
Size S	lmhfc2006
Size M	lmhfc2005
Size L	lmhfc2004
Tracheostomy Adapter	303030007
Disinfection unit	303030010
Disinfection kit	303030011

Technical Data

Product class as per 93/42/EC	IIa
Dimensions (W x H x D in mm)	LM Flow: 300 x 197 x 165 mm LM Flow 100: 358 x 197 x 165 mm
Weight	LM Flow: 2 kg LM Flow 100: 2.5 kg
Maximum flow	80 l/min
Flow range	2 - 80 l/min
Target temperature settings	31, 34, 37 degrees Celsius
Pressure level of acoustic alarm signal	Alarm of more than 45 dBA at distance of one (1) meter
Humidification LM Flow Series	> 33 mg/l (2~60 l/min. 37°C) > 10 mg/l (2~60 l/min. 34°C) > 10 mg/l (2~60 l/min. 34°C)
Time to heat up	10 minutes at 31°C 30 minutes at 37°C (with a humidifying chamber with a flow rate of 35 l/min and a starting temperature of 23 ± 2°C)
Highest temperature of the delivered gas	43 degrees Celsius
Accuracy of oxygen measurement	21%~100% ± 3%
Oxygen measurement	No-maintenance ultrasonic sensor

CE 0044

Löwenstein Medical
Arzbacher Strasse 80
56130 Bad Ems
Germany
T: +49 2603 9600-0
F: +49 2603 9600-50
info@hul.de
www.hul.de

LÖWENSTEIN medical

pdb100026en1907